



## Materials Inspection Report

## 1. Licensee/Location Inspected:

Hannibal Regional Hospital  
6000 Hospital Dr.  
Hannibal, MO 63401

Report Number(s) 2022001

## 2. NRC/Regional Office

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

## 3. Docket Number(s)

030-17616

## 4. License Number(s)

24-18988-01

## 5. Date(s) of Inspection

June 21, 2022

## LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:



1. Based on the inspection findings, no violations were identified.



2. Previous violation(s) closed.



3. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.

A. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.

(Non-cited violation(s) was/were discussed involving the following requirement(s))

B. The following violation(s) is/are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.  
(Violations and Corrective Actions)

## Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

| TITLE                     | PRINTED NAME                   | SIGNATURE AND DATE  |
|---------------------------|--------------------------------|---|
| LICENSEE'S REPRESENTATIVE |                                |   |
| NRC INSPECTOR             | Jason Draper, Health Physicist | Jason D. Draper<br>Digitally signed by Jason D. Draper<br>Date: 2022.07.15 13:45:37 -05'00'         |
| BRANCH CHIEF              |                                | Michael A. Kunowski<br>Digitally signed by Michael A. Kunowski<br>Date: 2022.07.20 05:37:50 -05'00' |



## Materials Inspection Record

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| 1. Licensee Name:<br>Hannibal Regional Hospital   |  | 2. Docket Number(s):<br>030-17616  |  | 3. License Number(s)<br>24-18988-01   |  |
| 4. Report Number(s):<br>2022001   |  |  | 5. Date(s) of Inspection:<br>June 21, 2022 |   |  |
| 6. Inspector(s):<br>Jason Draper  |  | 7. Program Code(s):<br>02120   |  | 8. Priority:<br>3   | 9. Inspection Guidance Used:<br>IP 87130 |
| 10. Licensee Contact Name(s):<br>Jennifer Akers, Director of Radiology  |  | 11. Licensee E-mail Address:<br>jennifer.akers@hannibalregional.org  |  | 12. Licensee Telephone Number(s):<br>(573) 248-5312   |  |
| 13. Inspection Type:<br><input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine<br><input type="checkbox"/> Initial <input type="checkbox"/> Unannounced |  | 14. Locations Inspected:<br><input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office<br><input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote |  | 15. Next Inspection Date (MM/DD/YYYY):<br>06/21/2025<br><input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended<br><input type="checkbox"/> Reduced <input type="checkbox"/> No change |  |

## 16. Scope and Observations:

This was an announced routine inspection of a regional hospital authorized to use material as described in 10 CFR 35.100, 35.200, and 35.300, at their facility in Hannibal, MO. The licensee employed two full-time certified nuclear medicine technologists who performed diagnostic administrations on 4-5 patients per day using primarily Tc-99m. The licensee also administered approximately one dosage of I-131 per month for thyroid ablations and whole body scans. The licensee contracted with a health physics consultant for their RSO and nuclear medicine department audits.

During the inspection, the inspector toured the licensee's facilities including the hot lab, the imaging room, the injection rooms, and the stress lab. At the time of the inspection, there were no administrations requiring a written directive scheduled, but the inspector observed the preparation and administration of one diagnostic dosage of Tc-99m for a renal scan. The inspector also interviewed the nuclear medicine technologist regarding package receipt procedures, instrumentation calibrations and checks, waste handling, surveys, and emergency procedures. The inspector also reviewed a selection of records including written directives, release documentation, instrument calibration records, dosimetry records, program audits, and radiation safety committee minutes.

No violations of NRC requirements were identified as a result of this inspection.

**From:** [Draper, Jason](#)  
**To:** [jennifer.akers@hannibalregional.org](mailto:jennifer.akers@hannibalregional.org)  
**Subject:** NRC 591M - Hannibal Regional Hospital  
**Date:** Wednesday, July 20, 2022 8:20:00 AM  
**Attachments:** [NRC 591M - Hannibal Regional Hospital jdmk.pdf](#)

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Jennifer,

As discussed following my inspection, attached is the inspection report for the routine NRC inspection that was performed at your facility in Hannibal, Missouri, on June 21, 2022. Please review and keep this document for your records. There is no response required, though I would appreciate an email confirming that you have received the document. Let me know if you have any questions.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

Jason Draper  
Health Physicist (Inspector)  
NRC / Region III / DNMS / MIB  
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